

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/PAL-47/LST-5

Mine code : 38RAJ21012

- (i) Name of the Inspecting : **P022**) **PANKAJ KULSHRESTHA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Rajesh Bora, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 16/10/2024
- (v) Prev.inspection date : 28/11/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DIGRANA 377/90**
- (b) **Registration NO.** : **IBM/10630/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : PALI
Village : DIGRANA
Taluka : JAITARAN
Post office : NIMBOL
Pin Code : 306308
FAX No. : -
E-mail : shruta.sanghavi@nuvoco.com
Phone :
- (f) Police Station : JAITARAN
- (g) First opening date : 28/04/2015
- (h) Weekly day of rest :
2. Address for : Nuvoco Vistas Corporation Limited
correspondance At & PO: Nimbol, Tehsil: Jaitaran,
District: Pali, State: Rajasthan
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : Nuvoco Vistas Corporation Limited
 Equinox Business Park,
 Tower-3, East Wing, 4th
 Floor, LBS Road, Kurla
 (West) Mumbai-400070 MUMBAI
 (SUBURBAN) MAHARASHTRA
 Phone:
 FAX :

Owner : Jayakumar Krishnaswamy
 Equinox Business
 Park, Tower-3 East Wing, 4th
 Floor, LBS Road Kurla
 (West), Mumbai BEAWAR
 RAJASTHAN
 Phone:
 FAX :

Agent : Lokesh Kumar Bahety
 Nuvoco Vistas Corporation
 Limited At & PO: Nimbol,
 Tehsil: Jaitaran District:
 Beawar, State: Rajasthan
 BEAWAR RAJASTHAN
 Phone:
 FAX :

Mining Engineer
 Name : RAJESH BORA, Full Time
 Qualification : B.E (MINING)
 Appointment/ : 01/07/2015
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	09/05/2013
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	31/05/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not in Proposal	Not Applicable	
1b	Exploration over lease area for geological axis 1 or 2	No such Proposal	Not Applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	As no exploration is carried out during the year 2023-24, so not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1 Axis 76.71ha. G2 Axis 6.53ha. G3 Axis 16.76ha.	76.71ha. 12.442 Million tonne resources G2 6.53ha, 1.89 Million tonne resources G3 16.76ha. 2.40 Million tonne resources	
1e	Balance reserve as on 01/04/20	As on 01.04.2024 12.884 Million Tonnes	As above	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The present status on geology and exploration may be considered as satisfactory.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	385291E 384913E 2918970N 2918405N	As above	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, proposal for topsoil, overburden and mineral benches	Yes, separate benches in topsoil, overburden and mineral	

2c	Stripping ratio or ore to OB ratio	1:0.61	1:0.176
2d	Quantity of topsoil generation in m3	No such proposal	Nil
2e	Quantity of overburden generation in m3	614047 m3	69318 m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The present status on development of pit w.r.t. type of deposit may be considered as satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	One (Pit no. 12)	
3b	Quantity of ROM mineral production proposed	1000000 Metric Tonne	394929.95 Metric Tonne	
3c	Recovery of sailable/usable mineral from ROM production	100 % from ROM	As above	
3d	Quantity of mineral reject generation	No such proposal	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	No such proposal	Not applicable	
3f	Quantity of sub grade mineral generation.	No such proposal	Not applicable	
3g	Grade of sub grade mineral generation	No sub grade generation proposed	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	As above	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal during the year 2023-24.	Not applicable
3j	Provision of drilling and blasting in mineral benches	Yes	Drilling operation carried out with DTH Drilling ICM 260 & ROC D40 having hole dia of 115 mm
3k	Provision of mining machineries in mineral benches	Yes	L&T 300 CK loading excavator with the combination of Volvo FMX 440 tipper for transportation of Limestone.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 meter height of bench in overburden and mineral.	As above
3m	Total area covered under excavation/pits	31.05 ha	21.943 ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.61	1:0.176
3o	Total area put in use under different heads at the end of year	55.047 ha.	32.887 ha.
3p	Production of ROM mineral during the last five year period as applicable	2021-22 0.80 MTPA 2022-23 1.00MTPA 2023-24 1.00 MTPA	2021-22 0.381MTPA 2022-23 0.302MTPA 2023-24 0.395MTPA
3q	General remarks of inspecting officers on method of mining etc.	NA	The present status on method of mining may be considered as satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, separate dumping proposed.	As above
4b	Location of topsoil, OB and mineral reject dumps	385217E 385052E 2918245N 2918046N	385170E 385080E 2918245N 2918174N
4c	Number of dumps within lease area and outside of lease area	Within the lease area - 06 Outside the lease area - Nil	As above
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Three old dumps are within UPL & three dumps are outside UPL	As above
4e	Number of active and alive dumps.	One	As above
4f	Number of dead dumps.	One	One
4g	Number of dumps established.	NA	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes as above
4i	Length of Retaining wall or garland drain all along dumps	883 m	As above
4j	Number of settling ponds	No such proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	The present status on waste dump management may be considered as satisfactory.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not Matured	NA
5b	Area under backfilling of mined out area	Not in Proposal	NA
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not in Proposal	NA
5d	Total area fully reclaimed and rehabilitated	Not in Proposal	NA
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	Area not matured for backfilling and reclamation.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes submitted	
6b	Area available for rehabilitation (ha) .	NA	NA	
6c	afforestation done (ha).	0.5 hectares within the lease area.	As above	
6d	No. of saplings planted during the year	500 Nos.	650 saplings	
6e	Cumulative no .of plants	4500 Nos.	4106 Nos.	
6f	Any other method of rehabilitation	NA	Not applicable	
6g	Cost incurred on watch and care during the year	NA	NA	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No such proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Yes, afforestation proposed by planting 500 saplings during the year 2023-24	As above
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	Not applicable

6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, Monitoring to be done for AAQ, Water & Noise	Monitoring of AAQ, Water & Noise are carried out quarterly
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The present status on PMCP compliance and progressive closure operations may be considered as satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1000012 MT during the year 2023-24.	394929.95MT during the year 2023-24.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	As above	
7c	Different grade of mineral sorted out at mines.	No proposal of mineral sorting in mines.	Not applicable	
7d	Any beneficiation process at mines .	No such proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The present status on Mineral Conservation may be considered as satisfactory.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	As above	

8b	Concurrent use or storage of topsoil	Soil shall stacked & utilized	Soil is concurrently utilized for plantation on mining lease periphery
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	As above
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal	Not applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Commulative plantation at end of year-2023-24 : 4500nos. Survival Required = 80%	Cummulative plantation at end of year-2023-24 =4106nos. with 80% Survival Rate
8g	Survival rate	80%	As above
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on all dust generating points i.e. haul road	A water tanker is deployed in mines for water sprinkling on all dust generating points on regular basis.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status on aesthetic beauty in and around mines area may be considered as satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Yes	A.R. Submitted upto FY-2023-24
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sh. Rajesh Bora Geologist- Sh. Brajesh. Sharma Mining Engineer- Sh. Tushar Kanti Paul	Manager - Sh. Rajesh Bora Mining Engineer- Sh. Tushar Kanti Paul
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C working - 21.943 ha. Waste dump - 8.714 ha. Infrastructure & Roads - 2.000 ha.	As above
9d	Scrutiny of Annual return on afforestation	Number of Tree planted during the year 2023-24 = 650 nos.	Total 500 saplings planted during the year 2023-25.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	Not applicable
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Production during the year 2023-24: 394929.95 MT	As above
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price 481.76Rs/MT & production cost = 481.76 Rs. /MT	As above
9h	Scrutiny of Annual return on fixed assets	Value of fixed Assets (Rs.) At the beginning of the year : 106464001 and Net closing balance :101668249	The information furnished above seems to be correct.

9k Scrutiny of BACK HOE : 1, As above
Annual return on SHOVEL
mining (HYDRAULIC) :
machineries 1, TIPPER: 4,
 ROCK DRILL
 (NON-ELEC.):
 2, DOZER: 1,
 WATER TANKER:
 1, EXPLOSIVE
 VAN : 1

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17 Rule 11(1)	12/11/2024				
MCDR17 Rule 46(b)	12/11/2024				
MCDR17 Rule 55(1)(3)	12/11/2024				

Date :

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines